

ABSTRACT

5 Disclosed is a system and circuit for a multi-channel optoelectronic device
driver. The system and circuit include a differential buffer amplifier, an output
driver amplifier, a dedicated voltage regulator, a load compensation circuit, a
wave shaping circuit and a laser fault detection circuit. In a multi-channel
configuration, each channel has a dedicated voltage regulator such that each
10 channel provides a channel-specific drive signal.